

Horizon Europe

**MISSION BOARD
SOIL HEALTH AND FOOD**



Horizon Europe

The EU research and innovation (R&I) framework programme (2021-2027)



to strengthen the EU's scientific and technological bases and the European Research Area (ERA)



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

New: the concept R&I **Missions** and **mission oriented research**

The Commission proposes a budget of **€ 100 billion** for Horizon Europe

Research and innovation missions

Missions are a “**portfolio of excellence-based and impact driven R&I actions** across disciplines and sectors” and should

- be **bold and inspirational**, with wide societal relevance;
- indicate a clear direction: **targeted, measurable and time-bound**;
- be **ambitious but realistic** research and innovation actions;
- spark innovation **across disciplines, sectors and actors**;
- be based on a bottom-up approach of **multiple solutions**



1st Mazzucato report (2018)
https://ec.europa.eu/info/sites/info/files/mazzucato_report_2018.pdf

Adaptation to climate change, including societal transformation



Cancer



Healthy oceans, seas, coastal and inland waters

5 mission areas



Climate-neutral and smart cities



Soil health and food



Why a mission in the area of Soil Health and Food?



- Healthy Soils perform a range of **vital functions**, e.g.
 - Food and biomass production, water regulation, biodiversity, nutrient cycling, climate regulation, cultural services, etc.
 - These functions are interlinked and cannot be tackled in isolation
- Land/soils are increasingly recognized as a **scarce, non-renewable resource**
- Soil health is crucial to tackle **major societal challenges** such as food security, food safety, loss of biodiversity, climate mitigation and adaptation
- Action on land/soils is critical to **meet political commitments** such as Paris Agreement, SDGs, Green Deal

Soil health and food – at the right time!

Mission area is highly **relevant for new Commission priorities under the Green Deal**

Sustainable land/soil management is needed to **meet objectives of policies for**

- Farm to Fork
- Climate
- Biodiversity
- Pollution
- Rural Areas



Soil health and food - Who is involved?

- Mission area managed across **EU Commission services**: co-lead by DG AGRI and DG RTD + DGs CLIMA, ENV, JRC, MARE, SANTE, ENER and MOVE
- **Secretariat** provided by DG AGRI
- Creation of **Mission Board** to develop ideas for one or more possible missions in the area of soil health and food
- Mission board can be supported by members of a **Mission Assembly**
- **Member States** involved through (shadow) Programme Committee and national activities
- **Stakeholders and citizens** will contribute to the development and implementation of the mission through co-design, co-implementation and co-assessment

Soil health and food – Mission Board

Chair



**Cees
VEERMAN (NL)**

Vice-Chair



**Teresa
PINTO-CORREIA (PT)**



**Catia
BASTIOLI (IT)**



**Borbala
BIRO (HU)**



**Johan
BOUMA (NL)**



**Emil
CIENCIALA (CZ)**



**Bridget Anne
EMMET (UK)**



**Lachezar Hristov
FILCHEV (BG)**



**Emile Antoine
FRISON (BE)**



**Alfred
GRAND (AT)**



**Zita
KRIAUCIŪNIENĖ (LT)**



**Marta
POGRZEBA (PL)**



**Jean-François
SOUSSANA (FR)**



**Carmen
VELA OLMO (ES)**

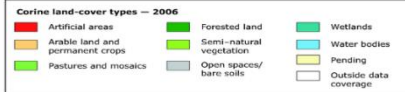


**Reiner
WITTKOWSKI (DE)**

A systems' approach to mission area "Soil Health and Food"

Soil functions are interdependent

Diversity of EU-territory to be accounted for



Soil health relevant to all types of land use

Different scales for action are required



Activities to engage a range of stakeholders (farmers, foresters, land owners, public authorities, citizens)

The global footprint of soil and land management in Europe

MB Soil health and food - State of play

- **Mission Board (MB) Meeting – 13 September 2019**
 - Develop common understanding of concept of missions and scope of the mission area;
 - What does soil health mean taking into account the food dimension and other soil functions?
- **R&I Days – 24-26 September 2019**
 - Participatory event with 150 stakeholders: (1) Most important challenges in relation to the mission area? (2) Expected impact of mission?
 - First meeting with Member States' (MS) shadow sub-group.
- **Mission Board Meeting – 24 October 2019**
 - Discussion on targets and measures/practices in the area of soil health and food; develop a framework for communication and engagement

MB Soil health and food - State of play

- **Mission Board meeting 26-27 November 2019**
 - Foresight workshop to move towards a “vision” as a basis for further identification of one or several missions
- **Mission Board meeting 19 December 2019**
 - Brainstorming on individual mission ideas
 - Participatory exercise to build a collective mission idea
- **Mission Board meeting 20 January 2020**
 - Building a narrative for communication and citizen engagement
- **Mission Board meeting 13 February 2020**
 - Advancing in a conceptual framework for assessing a potential mission; communication and citizen engagement
- **Mission Board meeting 14 February 2020**
 - Meeting with MS representatives

From mission area to mission “tagline”



**Foresight
workshop**

Scoping /trends

**Mission ideas
from Board
Members**

Mission tagline

**Indicators
(to monitor progress
and success)**

Targets of mission

**assess against
mission criteria**

What next

Test tagline against mission criteria:

Do we have indicators, targets?

What would be the R&I content?

**End May:
Propose mission**

**On-going
Communication
and citizen
engagement**

**What would be the
non-R&I content?**

**How do we use
mission tagline for
communication and
citizen engagement?**

Starting point:
Mission tagline

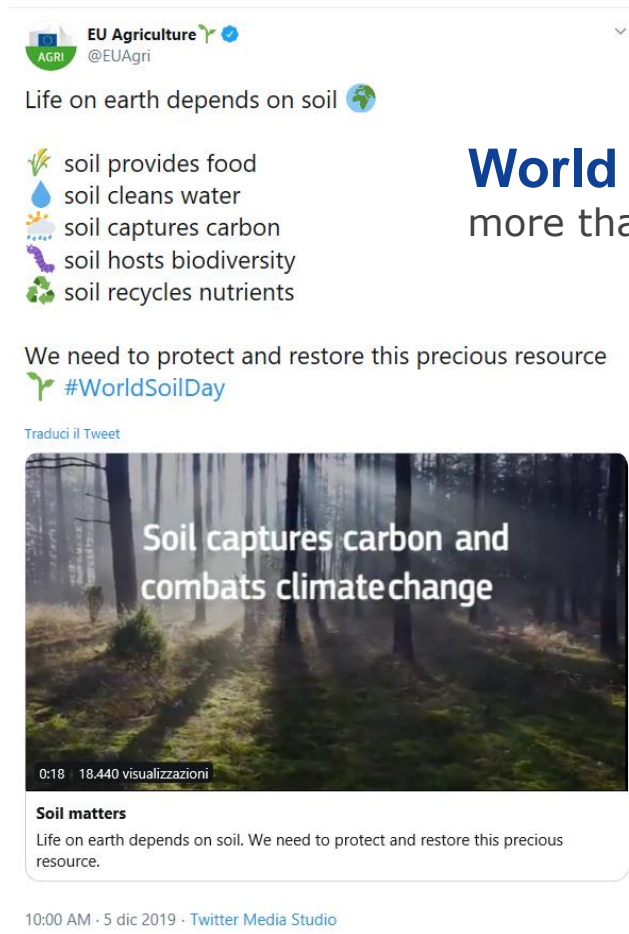


Communication and citizen engagement Examples

- https://www.youtube.com/watch?v=oJF_GTmrJGI&feature=youtu.be



External communication and engagement: mission impossible!



World Soil Day – video - tweet:
more than 30 000 views in less than 24h

External communication and engagement: mission impossible!

articles



Soil is the very basis for the food we grow as well as for the production of feed, textiles, wood and other materials. It provides us with clean water, hosts biodiversity, recycles nutrients, regulates climate and is part of our landscapes and cultural heritage. Soil is important for our well-being and the balance of ecosystems in our planet.

This natural resource is fragile and finite, and needs to be carefully managed and protected. In the EU we lose every year through water erosion alone the equivalent of a one metre-depth soil on an area corresponding to the size of the city of Berlin. An increasing population, which requires more land for food production, urbanisation and industries, is putting our soil under additional pressure.

EIP-AGRI newsletters, flash news and twitter account - #EIPAgriSoil campaigning



survey

- sent to more than 7000 contacts
- more than 1900 contributions received so far
- translated in DE
- soon in FR

Survey - Mission Soil health and food

Fields marked with * are mandatory.

Introduction:

The European Commission proposes to implement a mission in the area of "Soil health and food" as part of Europe. Missions are a new instrument for research and innovation to increase the impact of research, matters in day-to-day lives. A mission in the area of soil health and food will raise awareness on the important services/functions it will deliver knowledge and solutions to manage soils in more sustainable ways.

14th February 2020

Events and fairs

Outlook conference - Brussels



International Green Week - Berlin



14th February 2020

Events and fairs - upcoming

**Salon de l'
Agriculture**
Paris,
22nd February
to 1st of March



EU OpenDay
Brussels, 9th May



Mission ambassadors – get involved!



Alfred Grand from #MissionSoil and Gesine Meissner from #MissionOcean discussed #HorizonEU missions and how to engage citizens at the Österreichische Forschungsförderungsgesellschaft (FFG) "Mission Café" in Vienna yesterday. Discover #EUmissions: europa.eu/!JF79qd

Traduci il Tweet



Alfred Grand e altri 4

14th February 2020



Thank you!

HorizonEU #EUmissions #MissionSoil

<http://ec.europa.eu/horizon-europe>